

## New Class Of PET/CT Scanners

WITH a significant growth in the PET/CT scanner market from two systems operational in 2001 to an expected 400 operational worldwide by the end of 2004, Siemens Medical Solutions have expanded its family of PET/computed tomography (PET/CT) systems to meet the wide ranging clinical demands. The new biograph PET/CT family incorporates an unmatched range of performance options to enhance image quality, resolution and throughput, as well as new information technology solutions for multimodality integration.

Key new features include a high resolution PET option, image quality enhancement, a six-slice CT biograph companion to existing two and 16-slice configurations and further integration into the

Siemens Leonardo post processing workplace. The new technological advancements available with the biograph family build upon the ultra-fast Lutetium Oxyorthosilicate (LSO) crystal technology, delivering exceptional image quality in the shortest scanning time possible.

Siemens has incorporated the Leonardo post processing workplace with the nuclear medicine capabilities of the company's esoft package. Strict adherence to the DICOM-standard provides smooth integration into clinical workflows and ensures cross-vendor compatibility with these systems. Automated workflows reduce administrative work and accelerate clinical processes.

For more information contact Siemens on Tel. 01344 396317, or see [www.siemens.co.uk/medical](http://www.siemens.co.uk/medical)



Siemens biograph medical scanner combines anatomical images from computer tomography (CT) with physiological images from positron emission tomography (PET).

## The SynchroMed® II System From Medtronic®

For the management of severe complex spasticity delivering intrathecal baclofen therapy (ITB™):

**SMALLER:** 30% reduction in size for increased patient acceptance; 20% reduction in weight for enhanced patient comfort; Contoured shape for a better fit with the patient's body.

**SIMPLER:** 20ml and 40ml reservoirs for more therapy options and for up to 59% fewer refills; Reduced number of implant steps; No need to purge or warm the pump; Redesigned and larger refill port and catheter access port for easier access.

**SMARTER:** "Flex dosing" option to match drug delivery to specific patient needs; Critical therapy data stored in the pump memory; Louder more distinctive alarms; Estimated Replacement Indicator (ERI) provides estimate of time to replacement; Personal Therapy Manager (PTM) option to allow the patient to access physician; preprogrammed bolus doses for enhanced therapy delivery.

For further information contact Clive Woodard on [clive.woodard@medtronic.com](mailto:clive.woodard@medtronic.com)

## New Catalogues From Psychology Press



THE New Titles in Clinical and Cognitive Neuropsychology catalogue contains sections on Brain Injury and Neuropsychological Rehabilitation; Cognitive Neuropsychiatry; Cognitive Neuropsychology; Developmental Neuropsychology, and more. The New Titles in Cognitive Psychology catalogue contains sections on Ageing; Attention; Cognitive Neuroscience; Memory; The Psychology of Language and Reading, and more.

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 **Psychology Press**  
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## PL-EEG Digital EEG System

PULSE Medical are the new distributors of Walter Graphtek digital EEG systems. The PL-EEG system from Walter Graphtek is an advanced and versatile digital EEG system. It offers all these advantages for improved clinical productivity developed both for the Neurological and ENT/Sleep approach:

Choose between three different head-box types to set-up the system you need. (21 + 2 channels, 32 + 3 channels, 32 + 12 channels); Recording and review applications are simple to use whilst providing all of the tools for analysis which are needed in a modern EEG laboratory; An integrated database, coupled with digital archiving, facilitates easy management of the patient's demographic data and the associated recordings; High Resolution Display; Digital video and ambu-

latory recording available as option.; More dedicated analysis software packages are available.

Pulse Medical also supply a full range of EEG accessories at discounted prices, including Electrode Gel, Nuprep, Ten20 paste, Electrode Caps, Blunted Needles. See [www.pulsemedical.co.uk](http://www.pulsemedical.co.uk) for full details.

For more information contact Pulse Medical Limited, 3000 Cathedral Hill, Guildford, Surrey, GU2 7YB. Tel. 01483 243573, Fax. 01483 243501, E-Mail. [sales@pulsemedical.co.uk](mailto:sales@pulsemedical.co.uk)

  
PULSE MEDICAL

## First Bioresearch Temperature Control For Upright Microscopes



A NEW temperature control chamber has been developed by Solent Scientific to partner BX51 upright research microscopes from Olympus. The system provides environmental control for advanced live cell imaging applications such as time lapse image analysis, low light level microscopy, and cell death and cell motility studies.

Upright microscopes are the most commonly used type, typically offering higher resolution than inverted systems. Nevertheless technical challenges have meant that an environmental control chamber has not previously been available for upright microscopy. Each chamber must be individually designed and calibrated for a particular model of microscope, since different frame shapes and designs will affect the heat transfer characteristics.

The Solent chamber provides the precise environmental control required for optimum cell viability. Changes in focus or light path over time caused by heat expansion are also eliminated – an essential feature for time lapse imaging applications.

For further information contact Orry Dugdale on Tel. 0870 774 7140 or see [www.solentsci.com](http://www.solentsci.com)